

IFW



PTO/SB/21 (08-03)
 Approved for use through 07/31/2006. OMB 0651-0031
 U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE
 Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

TRANSMITTAL FORM <i>(to be used for all correspondence after initial filing)</i>	Application Number	10/646,070
	Filing Date	August 22, 2003
	First Named Inventor	Michael Wayne GRAHAM
	Art Unit	1632
	Examiner Name	Not Yet Assigned
Total Number of Pages in This Submission	18 w/ 85 Refs.	Attorney Docket Number 546322000303

ENCLOSURES (Check all that apply)		
<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment/Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input checked="" type="checkbox"/> Information Disclosure Statement w/ Form PTO-1449 (17 pages) <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts/ Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____	<input type="checkbox"/> After Allowance Communication to Group <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): 1 One copy of 85 Cited References 2. Return Receipt Postcard
<div style="border: 1px solid black; padding: 5px; width: 150px; float: left;">Remarks</div>		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT	
Firm or Individual name	MORRISON & FOERSTER LLP (Customer No. 20872) Michael R. Ward - 38,651
Signature	<i>Michael R Ward</i>
Date	<i>July 26, 2004</i>

I hereby certify that this correspondence is being deposited with the U.S. Postal Service with sufficient postage as First Class Mail, in an envelope addressed to: Mail Stop Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on the date shown below.	
Dated: <i>7/27/04</i>	Signature: <i>[Signature]</i> (Leah Kjellén)



PATENT
Docket No. 546322000303

CERTIFICATE OF MAILING BY "FIRST CLASS MAIL"

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope with sufficient postage addressed to: **Mail Stop Amendment, Commissioner for Patents, P.O. BOX 1450, Alexandria, VA 22313-1450** on July 27, 2004


Leah M. Kjellén

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In the application of:

Michael Wayne GRAHAM et al.

Serial No.: 10/646,070

Filing Date: August 22, 2003

For: CONTROL OF GENE EXPRESSION

Examiner: Not Yet Assigned

Group Art Unit: 1632

**INFORMATION DISCLOSURE
STATEMENT UNDER 37 C.F.R. § 1.97 & 1.98**

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

Dear Sir:

Pursuant to 37 C.F.R. § 1.97 and § 1.98, Applicants submit for consideration in the above-identified application the documents listed on the attached Form PTO-1449. Copies of the documents marked with * were previously submitted in an Information Disclosure Statement and/or Office Action, directed to the related application Serial Number 09/646,807, filed December 5, 2000, and, accordingly, copies are not included herewith. This protocol conforms

with 37 C.F.R. §1.98(d) and M.P.E.P. 609(A)(2). The Examiner is requested to make these documents of record in the application.

This Information Disclosure Statement is submitted:

- ☐ With the application; accordingly, no fee or separate requirements are required.
- ☐ Before the mailing of a first Office Action after the filing of a Request for Continued Examination under § 1.114. However, if applicable, a certification under 37 C.F.R. § 1.97(e)(1) has been provided.
- ☒ **Within three months of the application filing date or before mailing of a first Office Action on the merits; accordingly, no fee or separate requirements are required. However, if applicable, a certification under 37 C.F.R. § 1.97(e)(1) has been provided.**
- ☐ After receipt of a first Office Action on the merits but before mailing of a final Office Action or Notice of Allowance.
 - ☐ A fee is required. A check in the amount of ___ is enclosed.
 - ☐ A fee is required. Accordingly, a Fee Transmittal form (PTO/SB/17) is attached to this submission in duplicate.
 - ☐ A Certification under 37 C.F.R. § 1.97(e) is provided above; accordingly; no fee is believed to be due.
- ☐ After mailing of a final Office Action or Notice of Allowance, but before payment of the issue fee.
 - ☐ A Certification under 37 C.F.R. § 1.97(e) is provided above and a check in the amount of ___ is enclosed.
 - ☐ A Certification under 37 C.F.R. § 1.97(e) is provided above and a Fee Transmittal form (PTO/SB/17 is attached to this submission in duplicate.)

Applicants would appreciate the Examiner initialing and returning the Form PTO-1449, indicating that the information has been considered and made of record herein.

The information contained in this Information Disclosure Statement under 37 C.F.R. § 1.97 and § 1.98 is not to be construed as a representation that: (i) a complete search has been made; (ii) additional information material to the examination of this application does not exist; (iii) the information, protocols, results and the like reported by third parties are accurate or enabling; or (iv) the above information constitutes prior art to the subject invention.

In the unlikely event that the transmittal form is separated from this document and the Patent Office determines that an extension and/or other relief (such as payment of a fee under 37 C.F.R. §1.17(p)) is required, Applicants petition for any required relief including extensions of time and authorize the Commissioner to charge the cost of such petitions and/or other fees due in connection with the filing of this document to Deposit Account No. 03-1952 referencing 546322000303. However, the Commissioner is not authorized to charge the cost of the issue fee to the Deposit Account.

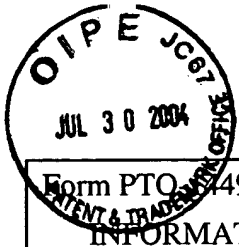
Dated: *July 26, 2004*

Respectfully submitted,

By: *Michael R. Ward*

Michael R. Ward
Registration No. 38,651

Morrison & Foerster LLP
425 Market Street
San Francisco, California 94105-2482
Telephone: (415) 268-6237
Facsimile: (415) 268-7522



Form PTO/SB-049

Docket Number 546322000303

Application Number 10/646,070

INFORMATION DISCLOSURE CITATION
IN AN APPLICATION

(Use several sheets if necessary)

Applicants

Michael Wayne GRAHAM et al.

Filing Date August 22, 2003

Group Art Unit 1632

Mailing Date

July 27, 2004

U.S. PATENT DOCUMENTS

Examiner Initials	Ref. No.	Date	Document No.	Name	Class	Subclass	Filing Date If Appropriate
	1.	8/25/1998	* 5,798,265	Springer et al.			
	2.	7/4/2002	* 2002/0086356 A1	Tuschl et al.			
	3.	8/22/2002	* 2002/0114784 A1	Li et al.			
	4.	2/6/2003	* 2003/0027783 A1	Zernicka-Goetz			
	5.	4/29/1997	*5,624,803	Noonberg et al.			
	6.	4/25/2000	*6,054,299	Conrad			
	7.	7/23/2002	*6,423,885	Waterhouse et al.			
	8.	6/3/2003	*6,573,099	Graham			
	9.	9/29/1998	*5,814,500	Dietz			
	10.	1/14/2003	*6,506,559	Fire et al.			
	11.	2/1/94	*5,283,184	Jorgensen et al.			
	12.	7/27/93	*5,231,020	Jorgensen et al.			
	13.	7/23/91	*5,034,323	Jorgensen et al.			
	14.	12/10/96	*5,583,021	Dougherty, et al.			
	15.	11/11/97	*5,686,649	Chua, et al.			
	16.	2/3/98	*5,714,323	Oshima, et al.			
	17.	1/23/03	*2003/0018993 A1	Gutterson et al.			
	18.	2/20/03	*2003/0036197 A1	Glassman et al.			
	19.	3/20/03	*2003/0056235 A1	Fire et al.			
	20.	4/17/03	*2003/0074684 A1	Graham et al.			
	21.	09/04/03	2003/0165894 A1	Waterhouse et al.			

FOREIGN PATENT DOCUMENTS

Examiner Initials	Ref. No.	Date	Document No.	Country	Class	Subclass	Translation YES NO
	22.	6/9/99	* EP 0 921 195 A1	EP			
	23.	8/7/02	* EP 1 229 134 A1	EP			

EXAMINER:

DATE CONSIDERED:

EXAMINER: Initial if citation considered, whether or not the citation conforms with MPEP 609. Draw a line through the citation if not in conformance and not considered. Include a copy of this form with next communication to applicant.

Form PTO-1449 INFORMATION DISCLOSURE CITATION IN AN APPLICATION <i>(Use several sheets if necessary)</i>					Docket Number 546322000303		Application Number 10/646,070	
					Applicants Michael Wayne GRAHAM et al.			
					Filing Date August 22, 2003		Group Art Unit 1632	
					Mailing Date July 27, 2004			
	24.	1/13/00	* WO 00/01846	WIPO				
	25.	10/26/00	* WO 00/63364	WIPO				
	26.	4/26/01	* WO 01/29058	WIPO				
	27.	5/25/01	* WO 01/36646	WIPO				
	28.	1/18/01	* WO 01/04313	WIPO				
	29.	7/5/01	* WO 01/48183	WIPO				
	30.	11/22/01	* WO 01/88114	WIPO				
	31.	6/6/02	* WO 02/44321	WIPO				
	32.	1/23/03	* WO 03/006477	WIPO				
	33.	5/7/98	*WO 98/18811	WIPO				
	34.	10/21/99	*WO 99/53050	WIPO				
	35.	9/27/01	*WO 01/70949	WIPO				
	26.	4/3/03	*WO 03/27298	WIPO				
	37.	7/1/99	*WO 99/32619	WIPO				
	38.	4/20/95	*WO 95/10607	WIPO				
	39.	10/8/98	*WO 98/44138	WIPO				
	40.	3/21/96	*WO 96/08558	WIPO				
	41.	9/15/93	*EP 0560156A2	EPO				
	42.	5/27/99	*WO 99/25853	WIPO				
	43.	10/21/97	*EP 0242016	EPO				
	44.	8/20/98	*WO 98/36083	WIPO				
	45.	4/1/99	*WO 99/15682	WIPO				
	46.	1/23/97	*WO 97/01952	WIPO				
	47.	11/25/93	*WO 93/23551	WIPO				
	48.	8/4/94	*WO 94/17194	WIPO				
	49.	9/2/93	*WO 93/17098	WIPO				
	50.	11/26/98	*WO 98/53083	WIPO				
	51.	10/18/90	*WO 90/11682	WIPO				
	52.	8/27/98	*WO 98/37213	WIPO				
	53.	9/30/99	WO 99/49029	WIPO				
	54.	02/01/01	AU 729454	Australia				
EXAMINER:					DATE CONSIDERED:			
EXAMINER: Initial if citation considered, whether or not the citation conforms with MPEP 609. Draw a line through the citation if not in conformance and not considered. Include a copy of this form with next communication to applicant.								

Form PTO-1449 INFORMATION DISCLOSURE CITATION IN AN APPLICATION <i>(Use several sheets if necessary)</i>	Docket Number 546322000303	Application Number 10/646,070
	Applicants Michael Wayne GRAHAM et al.	
	Filing Date August 22, 2003	Group Art Unit 1632
	Mailing Date July 27, 2004	

	55.	11/12/92	WO 92/19732	WIPO				
	56.	01/20/94	WO 94/01550	WIPO				
	57.	12/02/99	WO 99/61631	WIPO				
	58.	08/03/00	WO 00/44895	WIPO				
	59.	08/03/00	WO 00/44914	WIPO				
	60.	06/14/95	EP 0465572	EPO				
	61.	08/31/95	WO 95/23225	WIPO				

OTHER DOCUMENTS (including author, title, Date, Pertinent Pages, Etc.)

Examiner Initials	Ref. No.	Title
	62.	* Billy, E. et al. (2001) "Specific interference with gene expression induced by long, double-stranded RNA in mouse embryonal teratocarcinoma cell lines" Proceedings of the National Academy of Sciences of the United States of America 98(25): 14428-33.
	63.	*Brummelkamp, R. et al. (2002) "A System for Stable Expression of Short Interfering RNAs in Mammalian Cells" Science Vol. 296: 550-553.
	64.	*Dykxhoorn, D. et al. (2003) "Killing the Messenger: Short RNAs that Silence Gene Expression." Nature Reviews Molecular Cell Biology Vol.4: 457-467.
	65.	* Elbashir, S.M. et al. (2001) "Duplexes of 21-nucleotide RNAs mediate RNA interference in cultured mammalian cells" Nature 411(6836): 494-8.
	66.	* Matzke, Marjori A. and A. J. M. Matzke (1995) "How and Why Do Plants Inactivate Homologous (Trans) genes" Plant Physiol. 107: 679-685.
	67.	* Svoboda, P. et al. (2000) "Selective reduction of dormant maternal mRNAs in mouse oocytes by RNA interference" Development 127(19): 4147-4156.
	68.	* Wang, et al. "A factor IX-deficient mouse model for hemophilia B gene therapy" PNAS 94: 11563-11566.
	69.	* Yang, S. et al. (2001) "Specific double-stranded RNA interference in undifferentiated mouse embryonic stem cells" Molecular and Cellular Biology 21(22): 7807-16.
	70.	*International Search Report mailed on May 10, 1999, for PCT patent application no. PCT/AU99/00195, filed on March 19, 1999, 3 pages.
	71.	*Birchler, James A. (2000) "Making noise about silence: repression of repeated genes in animals" Current Opinion in Genetics & Development 10: 211-216.
	72.	*Brummell, David A. et al. (2003) "Inverted repeat of a heterologous 3'-untranslated region for high-efficiency, high-throughput gene silencing" The Plant Journal 33: 793-800.

EXAMINER:	DATE CONSIDERED:
-----------	------------------

EXAMINER: Initial if citation considered, whether or not the citation conforms with MPEP 609. Draw a line through the citation if not in conformance and not considered. Include a copy of this form with next communication to applicant.

Form PTO-1449 INFORMATION DISCLOSURE CITATION IN AN APPLICATION <i>(Use several sheets if necessary)</i>		Docket Number 546322000303	Application Number 10/646,070
		Applicants Michael Wayne GRAHAM et al.	
		Filing Date August 22, 2003	Group Art Unit 1632
		Mailing Date July 27, 2004	
73.	*Cogoni, Carlo and Giuseppe Macino (2000) "Post-transcriptional gene silencing across kingdoms" <i>Current Opinion in Genetics & Development</i> 10: 638-643.		
74.	*Marathe, Rajendra et al. (2000) "RNA viruses as inducers, suppressors and targets of post-transcriptional gene silencing" <i>Plant Molecular Biology</i> 43: 295-306.		
75.	*Matzke, Marjori and Antonius J.M. Matzke (2003) "RNAi Extends Its Reach" <i>Science</i> : 1060-1061.		
76.	*Oates, Andrew C. et al. (2000) "Too Much Interference: Injection of Double-Stranded RNA Has Nonspecific Effects in the Zebrafish Embryo" <i>Developmental Biology</i> 224: 20-28.		
77.	*Putlitz, Jasper zu and Jack R. Wands (1999) Specific Inhibition of Hepatitis B Virus Replication by Sense RNA" <i>Antisense & Nucleic Acid Drug Development</i> 9: 241-252.		
78.	*Schramke, Vera and Robin Allshire (2003) "Hairpin RNAs and Retrotransposon LTRs Effect RNAi and Chromatin-Based Gene Silencing" <i>Science</i> 301: 1069-1074.		
79.	*Tavernarakis, Nektarios et al. (2000) "Heritable and inducible genetics interference by double-stranded RNA encoded by transgenes" <i>Nature Genetics</i> 24: 180-183.		
80.	*Ui-Tei, Kumiko et al. (2000) "Sensitive assay of RNA interference in <i>Drosophila</i> and Chinese hamster cultured cells firefly luciferase gene as target" <i>Federation of European Biochemical Societies Letters</i> 479: 79-82.		
81.	*Wargelius, Anna et al. (1999) "Double-Stranded RNA Induces Specific Developmental Defects in Zebrafish Embryos" <i>Biochemical and Biophysical Research Communications</i> 263: 156-161.		
82.	*Fire, A., Xu, S.Q., Montgomery, M.K. Kostas, S.A. Driver, S.E. and Mello, C.C. (1998), "Potent and Specific Genetic Interference by Double-Standard RNA in <i>Caenorhabditis elegans</i> ". <i>Nature</i> , 391 (6669): 806-811.		
83.	*Garrick, D., Fiering, S., Martin, D.I. and Whitelaw, E. (1998), "RepeatInduced Gene Silencing in Mammals", <i>Nature Genetics</i> 18(1): 56-59.		
84.	*Dorer, D.R. and Henikoff, S. (1997) Transgene Repeat Arrays Interact with Distant Heterochromatin and Cause Silencing in cis and trans". <i>Genetics</i> 147(3).		
85.	*Pal-Bhadra, M., Bhadra U. and Birchler, J.A. (1997) "Cosuppression in <i>Drosophila</i> : Gene Silencing of Alcohol Dehydrogenase by White-Adh Transgenes is Polycomb Dependent". <i>Cell</i> 90(3): 385-387.		
86.	*Bingham, P.M. (1997) "Cosuppression Comes to the Animals". <i>Cell</i> 90(3): 385-387.		
87.	*Cameron, F.H. and Jennings, P.A. (1991) "Inhibition of Gene Expression by a Short Sense Fragment". <i>Nucleic Acids Research</i> 19(3): 469-475.		
88.	*Engdahl, H.M., et al. (1997), "A Two Unit Antisense RNA Cassette Test System for Silencing of Target Genes", <i>Nucleic Acids Research</i> 25(16): 3218-3227.		
89.	*Katsuki, M., et al. (1988), "Conversion of Normal Behavior to Shiverer by Myelin Basic Protein Antisense cDNA in Transgenic Mice", <i>Science</i> 241(4865): 593-595.		
90.	*Kook, Y.H., et al. (1994), "The Effect of Antisense Inhibition of Urokinase Receptor in Human Squamous Cell Carcinoma on Malignancy", <i>The EMBO Journal</i> 13(17) : 3983-3991.		
91.	*Lee, R.C., et al. (1993), The <i>C. elegans</i> Heterochronic Gene <i>lin-4</i> Encodes Small RNAs with Antisense Complementarity to <i>lin-14</i> ". <i>Cell</i> 75: 843-854.		
EXAMINER:		DATE CONSIDERED:	
EXAMINER: Initial if citation considered, whether or not the citation conforms with MPEP 609. Draw a line through the citation if not in conformance and not considered. Include a copy of this form with next communication to applicant.			

Form PTO-1449 INFORMATION DISCLOSURE CITATION IN AN APPLICATION <i>(Use several sheets if necessary)</i>		Docket Number 546322000303	Application Number 10/646,070
		Applicants <div style="text-align: center;">Michael Wayne GRAHAM et al.</div>	
		Filing Date August 22, 2003	Group Art Unit 1632
		Mailing Date July 27, 2004	
	92.	*Moroni, M.C., et al. (1992) EGF-R Antisense RNA Blocks Expression of the Epidermal Growth Factor Receptor and Suppresses the Transforming Phenotype of a Human Carcinoma Cell Line. <i>Journal of Biological Chemistry</i> 267(4): 2714-2722.	
	93.	*Nellen, W. and Lichtenstein C. (1993), "What Makes a Messenger RNA AntiSensitive?" <i>Trends in Biochemical Sciences</i> 18(11): 419-423.	
	94.	*Anderson, W.F. (1998), "Human Gene Therapy", <i>Nature</i> 392 (suppl.): 25-30.	
	95.	*Kappel, C.A., et al. (1992), "Regulating Gene Expression in Transgenic Animals", <i>Current Opinion in Biotechnology</i> 3(5): 548-553.	
	96.	*Touchette, N. (1996), "Gene Therapy - Not Ready for Prime Time (News)", <i>Nature Medicine</i> 2(1): 7-8	
	97.	*Verma, I.M., et al. (1997), "Gene Therapy - Promises, Problems and Prospects", <i>Nature</i> 389 (6648): 239-242.	
	98.	*Viville, S. (1997), "Mouse Genetic Manipulation Via Homologous Recombination" In 'Transgenic animals. Generation and Use'. Houdebine, L.M., ed. Harwood Academic Publishers, France 307-321.	
	99.	*Wall, R.J. (1996) "Transgenic Livestock: Progress and Prospects for the Future", <i>Theiogenology</i> 45(1): 57-68.	
	100.	*Angell, S.M., et al. (1997), "Consistent Gene Silencing in Trangenic Plants Expressing a Replicating Potato Virus X RNA", <i>The EMBO Journal</i> 16 (12): 3675-3684.	
	101	*Assaad, F.F., et al. (1993), "Epigenetic Repeat-Induced Gene Silencing (RIGS) in Arabidopsis. <i>Plant Molecular Biology</i> 22(6): 1067-1085	
	102	*Balandin, T., et al. (1997), "Silencing of a (3-1-3-glucanase Transgene is Overcome During Seed Formation", <i>Plant Molecular Biology</i> 34(1) 125-137	
	103.	*Baulcombe, D.C. (1996) RNA as a Target and an Initiator of Post-Transcriptional Gene Silencing in Transgenic Plants". <i>Plant Molecular Biology</i> 32(1-2): 79-88	
	104.	*Cogoni, C., et al. (1994), "Suppression of Gene Expression by Homologous Transgenes", <i>Antonie Van Leeuwenhoek</i> 65(3): 205-209	
	105.	*Cogoni, C., et al. (1996), "Transgene Silencing of the al-1 Gene in Vegetative Cells of Neurospora is Mediated by a Cytoplasmic Effector and Does not Depend on DNA-DNA Interactions or DNA Methylation", <i>The EMBO Journal</i> 15(12): 3153-3163.	
	106.	*Cogoni, C., et al. (1997), "Isolations of Quelling-Defective (qde) Mutants Impaired in Posttranscriptional Transgene-Induced Gene Silencing in Neurospora Crassa". <i>Proceeding of the National Academy of Sciences of the United States of America</i> 94(19): 10233-10238	
	107.	*Courtney-Gutterson, et al. (1994), "Modification of Flower Color in Florist's Chrysanthemum: Production of White-flowering Variety Through Molecular Genetics", <i>Biotechnoloev</i> 12(3): 268-271	
	108.	*de Carvalho F., et al. (1992), "Suppression of p-1,3-glucanase Transgene Expression in Homozygous Plants", <i>The EMBO Journal</i> 11(7): 2595-2602.	
	109.	*de Carvalho Niebel, F. et al. (1995), "Post-transscriptional Cosuppression of 0-1,3-glucanase Genes Does Not Effect Accumulation of Transgene Nuclear mRNA", <i>The Plant Cell</i> 7(3): 347-358	
	110.	*De Lange, P., et al. (1995), "Suppression of Flavonoid Flower Pigmentation Genes in Petunia Hybrida by the Introduction of Antisense and Sense Genes", <i>Current Topics in Microbiology and Immunology</i> 197: 57-75	
EXAMINER:		DATE CONSIDERED:	
EXAMINER: Initial if citation considered, whether or not the citation conforms with MPEP 609. Draw a line through the citation if not in conformance and not considered. Include a copy of this form with next communication to applicant.			

Form PTO-1449 INFORMATION DISCLOSURE CITATION IN AN APPLICATION <i>(Use several sheets if necessary)</i>		Docket Number 546322000303	Application Number 10/646,070
		Applicants <p style="text-align: center;">Michael Wayne GRAHAM et al.</p>	
		Filing Date August 22, 2003	Group Art Unit 1632
		Mailing Date July 27, 2004	
	111.	*Depicker, A., et al. (1997), "Post-transcriptional Gene Silencing in Plants", Current Opinion in Cell Biology 9(3):373-382	
	112.	*English, J.J., et al. (1996), "Suppression of Virus Accumulation in Transgenic Plants Exhibiting Silencing of Nuclear Genes", The Plant Cell 8(2): 179-188	
	113.	*Hamilton, A.J., et al. (1998), "A Transgene with Repeated DNA Causes High Frequency, PostTranscriptional Suppression of ACC-Oxidase Gene Expression in Tomato", The Plant Journal 15(6): 737-746	
	114.	*Jorgensen, R. (1990), "Altered Gene Expression in Plants Due to Trans Interactions Between Homologous Genes", Trends in Biotechnology 8(12): 340-344	
	115.	*Jorgensen, R.A., et al. (1996), "Chalcone Synthase Cosuppression Phenotypes in Petunia Flowers: Comparison of Sense vs. Antisense Constructs and Single-Copy vs. Complex TDNA Sequences", Plant Molecular Biology 31(5): 957-973	
	116.	*Knoester, M., et al. (1997), "Modulation of Stress-Inducible Ethylene Biosynthesis by Sense. and Antisense Gene Expression in Tobacco", Plant Science 126(2): 173-183	
	117.	*Kunz, C., et al. (1996), "Developmentally Regulated Silencing and Reactivaation of Tobacco Chitinase Transgene Expression", The Plant Journal 10(3): 437-450	
	118.	*Lee, K.Y., et al., (1997), "Post-transcriptional Gene Silencing of ACC Synthase in Tomato Results from Cytoplasmic RNA Degradation", The Plant Journal 12(5): 1127-1137	
	119.	*Lindbo, J.A., et al., (1993), "Induction of a Highly Specific Antiviral State in transgenic Plants - Implications for Regulatio of Gene Expression and Virus Resistance", The Plant Cell 5(12): 1749-1759	
	120.	*Matzke, M.A., et al. (1998), "Epigenetic Silencing of Plant Transgenes as a Consequence of Diverse Cellular Defence Responses", Cellular and Molecular Life Sciences 54(1): 94-103	
	121.	*Mueller, E., et al. (1995), "Homology-dependent Resistance -Transgenic Virus Resistance in Plants Related to Homology-Dependent Gene Silencing", The Plant Journal 7(6): 1001-1013	
	122.	*Meyer, P. (1996), "Repeat-induced Gene Silencing-Common Mechanisms in Plants and Fungi", Biological Chemistry Hoaoe-Seyler 377(2): 87-95	
	123.	*Napoli, C., et al. (1990), "Introduction of a Chimeric Chalcone Synthase Gene into Petunia Results in Reversible So-Suppression of Homologous Genes in trans, The Plant Cell 2(4): 279-289	
	124.	*Palauqui, J.C., et al. (1997), "Systemic Acquired Silencing: Transgene-specific Posttranssscriptional Silencing is Transmitted by Grafting from Silenced Stocks to Non-silenced scions, The EMBO Journal 16: 4738-4745	
	125.	*Pang, S.Z., et al. (1997), "Nontarget DNA Sequences Reduce the Transgene Length Necessary for RNA-mediated Tospovirus Resistance in Transgenic Plants", Proceeding's of the National Academy of Sciences of the United States of America 94(15): 8261-8266	
	126.	*Park, Y.D., et al. (1996), "Gene Silencing Mediated by Promotor Homology Occurs at the Level of Transcription and Results in Meiotically Heritable Alterations in Methylation and Gene Activity", The Plant Journal 9(2): 183-194	
	127.	*Que, Q., et al. (1998), "Homology-based Control of Gene Expression Patterns in Transgenic Petunia Flowers", Developmental Genetics 22(1): 100-109	
	128.	*Romano, N., et al. (1992), "Quelling: Transient Inactivation of Gene Expression in Neurospora Crassa by Transformation with Homologous Sequences", Molecular Microbiology 6(22): 3343-3353	
EXAMINER:		DATE CONSIDERED:	
EXAMINER: Initial if citation considered, whether or not the citation conforms with MPEP 609. Draw a line through the citation if not in conformance and not considered. Include a copy of this form with next communication to applicant.			

Form PTO-1449 INFORMATION DISCLOSURE CITATION IN AN APPLICATION <i>(Use several sheets if necessary)</i>		Docket Number 546322000303	Application Number 10/646,070
		Applicants <p style="text-align: center;">Michael Wayne GRAHAM et al.</p>	
		Filing Date August 22, 2003	Group Art Unit 1632
		Mailing Date July 27, 2004	
	129.	*Sadiq, M., et al. (1994), "Developmental Regulation of Antisense-mediated Gene Silencing in Dictyostelium", Antisense Research & Development 4(4): 263-267	
	130.	*Sijen, T., et al. (1996), "RNA-mediated Virus Resistance - Role of Repeated Transgenes and Delineation of Targeted Regions", The Plant Cell 8(12): 2277-2294	
	131.	*Singer, M.J., et al. (1995), "Genetic and Epigenetic Inactivation of Repetitive Sequences in Neurospora Crassa: RIP, DNA Methylation, and Quelling", Current Topics in Microbiology and Immunology 197: 165-177	
	132.	*Smyth, D.R. (1997), "Gene Silencing: Cosuppression at a Distance", Current Biology 7(12): R793-795	
	133.	*Stam, M., et al. (1997), "The Silence of Genes in Transgenic Plants", Annals of Botany 79(1): 3-12	
	134.	*Tanzer, M.M., et al. (1997), "Characterization of Post-Transcriptionally Suppressed Transgene Expression that Confers Resistance to Tobacco Etch Virus Infection in Tobacco", The Plant Cell 9(8): 1411-1423	
	135.	*Van der Krol, et al. (1990), "Inhibition of Flower Pigmentation by Antisense CHS Genes: Promoter and Minimal Sequence Requirements for the Antisense Effect", Plant Molecular Biology 14(4): 457-466	
	136.	*Van der Krol, et al. (1990), "Flavonoid Genes in Petunia: Addition of a Limited Number of Gene Copies May Lead to a Suppression of Gene Expression", The Plant Cell 2(4): 291-299	
	137.	*Vacheret, H. Nussaume, et al. (1997), "A Transcriptionally Active State is Required for PostTranscriptional Silencing (Cosuppression) of Nitrate Reductase Host Genes and Transgenes", The Plant Cell 9(8): 1495-1504	
	138.	*Lisiewicz et al. (1993) "Inhibition of human immunodeficiency virus type I replication by regulated expression of a polymeric Tat activation response RNA decoy as a strategy for gene therapy in AIDS". Proceedings of the National Academy of Sciences of the United States of America 90: 8000-8004	
	139.	*Sun et al. (1995) "Resistance to human immunodeficiency virus type 1 infection conferred by transduction of human peripheral blood lymphocytes with ribozyme, antisense, or polymeric transactivation response element constructs". Proceedings of the National Academy of Sciences of the United States of America 92: 7272-7276	
	140.	*Gervaix et al. (1997) "Multigene antiviral vectors inhibit diverse human immunodeficiency virus type 1 clades". Journal of Virology 71(4): 3048-3053	
	141.	*Bevec et al. (1994) "Constitute expression of chimeric Neo-Rev response element transcripts suppresses HIV-1 replication in human CD4⁺ T lymphocytes". Human Gene Therapy 5: 193-201	
	142.	*Sulleneger et al. (1990) "Overexpression of TAR sequences rendered cells resistant to human immunodeficiency virus replication". Cell 63: 601-608	
	143.	*Dorer et al. (1994) "Expansion of transgene repeats cause heterochromatin formation and gene silencing in Drosophila". Cell 77: 993-1002	
	144.	*Lee et al. (1994) "Inhibition of human immunodeficiency virus type 1 in human T cells by a potent Rev response element decoy consisting of 13-nucleotide minimal Rev-binding domain". Journal of Virology 68(12): 8254-8264	
	145.	*Chuah et al. (1994) "Inhibition of human immunodeficiency virus Type-1 by retroviral vectors expressing antisense-TAR". Human Gene Therapy 5: 1467-1475	
	146.	*Sullenger et al. (1991) "Analysis of trans-acting response decoy RNA-mediated inhibition of human immunodeficiency virus type 1 transactivation". Journal of Virology 65(12): 6811-6816	
EXAMINER:		DATE CONSIDERED:	
EXAMINER: Initial if citation considered, whether or not the citation conforms with MPEP 609. Draw a line through the citation if not in conformance and not considered. Include a copy of this form with next communication to applicant.			

Form PTO-1449 INFORMATION DISCLOSURE CITATION IN AN APPLICATION <i>(Use several sheets if necessary)</i>		Docket Number 546322000303	Application Number 10/646,070
		Applicants <p style="text-align: center;">Michael Wayne GRAHAM et al.</p>	
		Filing Date August 22, 2003	Group Art Unit 1632
		Mailing Date July 27, 2004	
	147.	*Napoli, Carolyn et al., "Introduction of a Chimeric Chalcone Synthase Gene into Petunia Results in Reversible Co-Suppression of Homologous Genes in trans" <i>The Plant Cell</i> 2: 279-289 1990	
	148.	*Lindbo, John et al., "Induction of a Highly Specific Antiviral State in Transgenic Plants: Implications for Regulation of Gene Expression and Virus Resistance", <i>The Plant Cell</i> , 5_: 1749-1759 (1993)	
	149.	*Park, Y. et al., "Gene silencing mediated by promoter homology occurs at the level of transcription and results in meiotically heritable alterations in methylation and gene activity", <i>The Plant Journal</i> , 9: 183-194 (1996)	
	150.	*Waterhouse, Peter et al., "Virus resistance and gene silencing in plants can be induced by simultaneous expression of sense and antisense RNA", <i>Plant Bioloey</i> , 95: 13959-13964 (1998)	
	151.	*Smith, Neil et al., "Total Silencing by intronspliced hairpin RNAs", <i>Nature</i> , 407: 319-320 (2000)	
	152.	*Katsuki, Motoya et al., "Conversion of Normal Behavior to Shiverer by Myelin Basic Protein Antisense cDNA in Transgenic Mice", <i>Science</i> , 241: 593-595 (1988).	
	153.	*Katsuki, Motoya et al., "Conversion of Normal Behavior to Shiverer by Myelin Basic Protein Antisense cDNA in Transgenic Mice", <i>Science</i> , 241: 593-595 (1988).	
	155.	*Moroni, Maria Cristina et al., "EGF-R Antisense RNA Blocks Expression of the Epidermal Growth Factor Receptor and Suppresses the Transforming Phenotype of a Human Carcinoma Cell Line", <i>The Journal of Biological Chemist</i> 267(5): 2714-2722 1992.	
	155.	*Kook, Yoon Hoh et al., "The effect of antisense inhibition of urokinase receptor in human squamous cell carcinoma on malignancy", <i>The EMBO Journal</i> . 13(7): 3983-3991 (1994).	
	156.	*Palauqui, Jean-Christophe et al., "Systemic acquired silencing: transgene-specific post-transcriptional silencing is transmitted by grafting from silenced stocks to non-silenced scions", <i>The EMBO Journal</i> , 16: 4738-4745 (1997).	
	157.	*Palauqui, Jean-Christophe et al., "Transgenes are dispensable for the RNA degradation step of cosuppression", <i>Plant Biology</i> , 95: 9675-9680 1998	
	158.	*Voinnet, Olivier et al., "Systemic Spread of Sequence-Specific Transgene RNA Degradation in Plants Is Initiated by Localized Introduction of Ecto ic Promoterless DNA" <i>Cell</i> 95: 177-187 1998.	
	159.	*Fire, Andrew et al., "Potent and specific genetic interference by double-stranded RNA in <i>Caenorhabditis elegans</i> " <i>Nature</i> 391:806-811 1998.	
	160.	*Wianny, Florence et al., "Specific interference with gene function by double-stranded RNA in early mouse development", <i>Nature Cell Biology</i> , 2: 70-75 (2000)	
	161.	*Tuschl, Thomas et al., "Targeted mRNA degradation by double-stranded RNA in vitro", <i>Genes & Development</i> , 13:3191-3197(1999).	
	162.	*Hamilton, Andrew J. et al., "A Species of Small Antisense RNA in Posttranscriptional Gene Silencing in Plants", <i>Science</i> , 286: 950-952 (1999).	
	163.	*Zamore, Phillip et al., "RNAi: Double-Stranded RNA Directs the ATP-Dependent Cleavage of mRNA at 21 to 23 Nucleotide Intervals", <i>Cell</i> , Vol. 101: 25-33 (2000).	
	164.	*Hammond, Scott M. et al., "An RNA-directed nuclease mediates post-transcriptional gene silencing in <i>Drosophila</i> cells", <i>Nature</i> , 404: 293-296 (2000).	
	165.	*Caplen, Natasha J. et al., "dsRNA-mediated gene silencing in cultured <i>Drosophila</i> cells: a tissue culture model for the analysis of RNA interference", <i>Gene</i> 252: 95-105 (2000).	
EXAMINER:		DATE CONSIDERED:	
EXAMINER: Initial if citation considered, whether or not the citation conforms with MPEP 609. Draw a line through the citation if not in conformance and not considered. Include a copy of this form with next communication to applicant.			

Form PTO-1449 INFORMATION DISCLOSURE CITATION IN AN APPLICATION <i>(Use several sheets if necessary)</i>		Docket Number 546322000303	Application Number 10/646,070
		Applicants Michael Wayne GRAHAM et al.	
		Filing Date August 22, 2003	Group Art Unit 1632
		Mailing Date July 27, 2004	
	166.	*Cogoni, Carlo et al., "Gene silencing in Neurospora crassa requires a protein homologous to RNA-dependent RNA of polymerase", Nature, 399: 166-169 (1999).	
	167.	*Cogni, Carlo et al., "Posaranscriptional Gene Silencing in Neurospora by a RecQ DNA Helicase", Science, 286: 2342-2344 (1999).	
	168.	*Dalmay, Tamas et al., "An RNA-Dependent RNA Polymerase Gene in Arabidopsis Is Required for Posttranscriptional Gene Silencing Mediated by a Transgene but Not by a Vitas", Cell, 101: 543-553 (2000).	
	169.	*Brigneti, Gianinna et al., "Viral pathogenicity determinants are suppressors of transgene silencing in Nicotiana benthamiana", The EMBO Journal, 17 22 : 6739-6746 (1998)	
	170.	*Tabara, Hiroaki et al., "The rde-I Gene, RNA Interference, and Transposon Silencing in C. elegans", Cell, 99: 123-132 (1999)	
	171.	*Domeier, Mary Ellen et al., "A Link Between RNA Interference and Nonsense-Mediated Decay in Caenorhabditis elegans", Science, 289: 1928-1930 (2000)	
	172.	*Smardon Anne et al., "EGO-1 is related to RNA-directed RNA polymerase an functions in germ-line development and RNA interference in C. elegans", Current Biology, 10(4): 169-178 (2000)	
	173.	*Wassenegger, Michael et al., "Signalling in gene silencing", Elsevier Science, 4(6): 207-209 (1999)	
	174.	*Ding, Shoo Wei, "RNA silencing", Current Opinion in Biotechnology, 1: 152-156 (2000)	
	175.	*Marx, Jean, "Interfering With Gene Expression", Science, 288: 1370-1372 (2000)	
	176.	*Gura, Trisha, "A silence that speaks volumes", Nature, 404: 804-808 (2000)	
	177.	*Sarah R. Grant, Dissecting the Mechanisms of Posttranscriptional Gene Silencing: Divide and Conquer, -Cell. Vol. 96, February 5, 1999, pp. 303-306.	
	178.	*Qiudeng Que et al., Homology-Based Control of Gene Expression Patterns in Transgenic Petunia Flowers, Developmental Genetics, Vol. 22, 1998, pp. 100-109.	
	179.	*Farhah F Assaad et al., Epigenetic repeat-induced gene silencing (RIGS) in Arabidopsis. Plant Molecular Biology. Vol. 22, 1993, pp. 1067-1085.	
	180.	*Andrew J. Hamilton et al., A transgene with repeated DNA causes high frequency, post-transcriptional suppression of ACC-mddase gene expression in tomato, The Plant Journal, Vol. 15 (6), 1998, pp. 737-746.	
	181.	*Maike Stam et al, The Silence of Genes in Transgenic Plants, Annals of Botany. Vol. 79, 1997, pp. 3-12.	
	182.	*Douglas R. Darer et al., Transgene Repeat Arrays Interact With Distant Heterochromatin and Cause Silencing in cis and trans, Genetics, Vol. 147, November 1997, pp. 1181-1190	
	183.	*Douglas R. Dorer et al., Expansions of Transgene Repeats Cause Heterochromatin Formation and Gene Silencing in Drosophila, Cell, Vol. 77, July 1, 1994, pp. 993-1002.	
	184.	*Titia Sijen et al., RNA-Mediated Virus Resistance: Role of Repeated Transgenes and Delineation or Targeted Regions, The Plant Cell, Vol. 8, December 1996, p. 2277-2294.	
	185.	*Carolyn Napoli et al., Introduction of a Chimeric Chalcone Synthase Gene into Petunia Results in Reversible Co-Suppression of Homologous Genes in trans, The Plant Cell, Vol. 2, April 1990, pp. 279-289.	
	186.	*John A. Lindbo et al., Induction of a Highly Specific Antiviral State in Transgenic Plants: Implications for Regulation of Gene Expression and Virus Resistance, The Plant Cell, Vol. 5, December 1993, pp. 1749-1759.	
EXAMINER:		DATE CONSIDERED:	
EXAMINER: Initial if citation considered, whether or not the citation conforms with MPEP 609. Draw a line through the citation if not in conformance and not considered. Include a copy of this form with next communication to applicant.			

Form PTO-1449 INFORMATION DISCLOSURE CITATION IN AN APPLICATION <i>(Use several sheets if necessary)</i>		Docket Number 546322000303	Application Number 10/646,070
		Applicants <p style="text-align: center;">Michael Wayne GRAHAM et al.</p>	
		Filing Date August 22, 2003	Group Art Unit 1632
		Mailing Date July 27, 2004	
	187.	*Peter M. Waterhouse et al., "Virus resistance and gene silencing in plants can be induced by simultaneous expression of sense and antisense RNA" <i>Plant Biology</i> , 95:13959-13964 (1998)	
	188.	*Neil A. Smith et al., Total silencing by intronsphced hairpin RNAs. <i>Nature</i> , Vol. 407, September 21, 2000, pp. 319-320.	
	189.	*Andrew Fire et al., Potent and specific genetic interference by double-stranded RNA in <i>Caenorhabditis elegans</i> , <i>Nature</i> , Vol. 391, February 19, 1998, pp. 806-811.	
	190.	*Florence Wianny et al., Specific interference with gene function by double-stranded RNA in early mouse development, <i>Nature Cell Biology</i> , Vol. 2, February 2000, pp.70-75.	
	191.	*Natasha J. Caplan et al., dsRNA-mediated gene silencing in cultured <i>Drosophila</i> cells: a tissue culture model for the analysis of RNA interference, <i>Gene</i> , Vol. 252, May 16, 2000, pp. 95-105.	
	192.	*Selker Gene silencing: repeats that count. <i>Cell</i> . 1999 Apr 16; 97(2):157-60.	
	193.	*Fire RNA-triggered gene silencing. <i>Trends Genet.</i> 1999 Sep; 15(9):358-63	
	194.	*Good et al. Expression of small, therapeutic RNAs in human cell nuclei. <i>Gene Ther.</i> 1997Jan;4(1): 45-54.	
	195.	*McKenzie et al. Transplantation (1999) 827-874. Editor(s): Ginns, Leo C.; Cosimi, A. Benedict; Morris, Peter J. Blackwell Science, Inc.: Malden, Mass.	
	196.	Agrawal, Sudhir et al. (1995) "Self-Stabilized Oligonucleotides as Novel Antisense Agents" pp 105-120.	
	197.	Agrawal, Neema et al. (2003) "RNA Interference: Biology, Mechanism, and Applications" <i>Microb. Mol. Biol. Rev.</i> 67:657-685	
	198.	Strauss, Evelyn (1999) "Candidate Gene Silencers' Found" <i>Science</i> Vol. 286, pg 886.	
	199.	Bahramian, Mohammad B. and Zarbl, Helmut (1999) "Transcriptional and Posttranscriptional Silencing of Rodent $\alpha 1(I)$ Collagen by a Homologous Transcriptionally Self-Silenced Transgene" <i>Molecular and Cellular Biology</i> , Vol 19, No. 1: 274-283.	
	200.	Bhan, Purshotam et al. (1997) "2',5'-Linked Oligo-3'-deoxyribonucleoside Phosphorothiate Chimeras: Thermal Stability and Antisense Inhibition of Gene Expression" <i>Nucleic Acids Research</i> , Vol. 1, No. 16: 3310-3317.	
	201.	Couzin, Jennifer (2002) "Small RNAs Make Big Splash" <i>Science</i> 298: 2296-2297	
	202.	Czauderna, Frank et al. (2003) "Structural Variations and Stabiling Modifications of Synthetic siRNAs in Mammalian Cells" <i>Nucleic Acids Research</i> Vol. 31, No. 11: 1-12.	
	203.	Elbashir, Sayda M. et al. (2001) "Functional Anatomy of siRNAs for mediating Efficient RNAi in <i>Drosophila Melanogaster</i> Embryo Lysate" <i>The EMBO Journal</i> , Vol. 20, No. 23: 6877-6888.	
	204.	Elbashir, Sayda M. et al. (2002) "Analysis of Gene Function in Somatic Mammalian Cells Using Small Interfering RNAs" <i>Methods</i> 26: 199-213.	
	205.	Grasby, Jane A. et al. "Purine Functional Groups in Essential Residues of the Hairpin Ribozyme Required for Catalytic Cleavage of RNA" <i>Biochemistry</i> 34: 4068-4076.	
	206.	Griffey, Richard H. et al. (1996) "2'O-Aminopropyl Ribonucleotides: A Zwitterionic Modification That Enhances The Exonuclease Resistance and Biological Activity of Antisense Oligonucleotides" <i>J. Med. Chem</i> 39: 5100-5109.	
EXAMINER:		DATE CONSIDERED:	
EXAMINER: Initial if citation considered, whether or not the citation conforms with MPEP 609. Draw a line through the citation if not in conformance and not considered. Include a copy of this form with next communication to applicant.			

Form PTO-1449 INFORMATION DISCLOSURE CITATION IN AN APPLICATION <i>(Use several sheets if necessary)</i>		Docket Number 546322000303	Application Number 10/646,070
		Applicants Michael Wayne GRAHAM et al.	
		Filing Date August 22, 2003	Group Art Unit 1632
		Mailing Date July 27, 2004	
	207.	Gryaznov, Sergei M. and Letsinger, Robert L. (1993) "Template Controlled Coupling and Recombination of Oligonucleotide Blocks Containing Thiophosphoryl Groups" Nucleic Acids Research, Vol. 21, No. 6: 1403-1408.	
	208.	Ha, Ilho et al. (1996) "A Bulged lin-4/lin-14 RNA Duplex is Sufficient For Caenorhabditis Elegans lin-14 Temporal Gradient Formation" Gene and Development 10: 3041-3050.	
	209.	Hoke, Glenn D. et al. (1991) "Effects of Phosphorothioate Capping On Antisense Oligonucleotide Stability, Hybridization and Antiviral Efficacy Versus Herpes Simplex Virus Infection" Nucleic Acids Research, Vol. 19, No. 20: 5743-5748.	
	210.	Kennerdell, Jason R. and Carthew, Richard W. (1998) "Use of dsRNA-Mediated Genetic Interference to Demonstrate that Frizzled and Frizzled 2 Act in the Wingless Pathway" Cell, Vol. 95: 1017-1026	
	211.	Kitabwalla, Moiz and Ruprecht Ruth M. (2002) "RNA Interference - A New Weapon Against HIV and Beyond" N Engl J Med, Vol 347, No. 17: 1364-1367.	
	212.	Kreutzer R. et al. "Specific Inhibition of Viral Gene Expression by Double-Stranded RNA <i>in Vitro</i> " Fall Meeting S169.	
	213.	Kumar Madhur and Carmichael, Gordon G. (1998) "Antisense RNA: Function and Fate of Duplex RNA in Cells of Higher Eukaryotes" Microbiology and Molecular Biology Reviews, Vol. 62, No. 4: 1415-1434.	
	214.	Borecky, L. et al. (1981-1982) "Therapeutic Use of Double-Stranded RNAs in Man" Tex Rep Biol Med 14: 575-581.	
	215.	Li, Y.X. et al. (1999) "Double-Stranded RNA Injections Produces Null Phenotype in Zebrafish" Developmental Biology Vol. 210: 238 at 346	
	216.	Lin, Rueyling and Avery, Leon (1999) "Policing Rogue Genes" Nature Vol. 402: 128-129.	
	217.	Lipinski, Christopher A. et al. (1997) "Experimental and Computational Approaches to Estimate Solubility and Permeability in Drug Discovery and Development Settings" Advanced Drug Delivery Reviews 23: 3-25.	
	218.	Majumdar, Alok et al. (1998) "Targeted Gene Knockout Mediated by Triple Helix Forming Oligonucleotides" Nature Genetics Vol. 20: 212-214.	
	219.	McManus, Michael T. and Sharp, Phillip A. (2002) "Gene Silencing in Mammals By Small Interfering RNAs" Reviews, Vol. 3: 737-747.	
	220.	Y. X. Ma, Michael et al. (1993) "Design and Synthesis of RNA Miniduplexes via a Synthetic Linker Approach" Biochemistry 32: 1751-1758.	
	221.	Milhaud, Pierre G. et al. (1991) "Free and Liposome-Encapsulated Double-Stranded RNAs as Inducers of Interferon, Interleukin-6, and Cellular Toxicity" Journal of Interferon Research 11: 261-265.	
	222.	Montgomery, Mary K. and Fire, Andrew (1998) "Double-Stranded RNA as a Mediator in Sequence-Specific Genetic Silencing and Co-Suppression" TIG, Vol. 14, No. 7: 255-258.	
	223.	Montgomery, Mary K. et al. (1998) "RNA as a Target of Double-Stranded RNA-Mediated Genetic Interference in Caenorhabditis Elegans" Proc. Natl. Acad. Sci. Vol. 95: 15502-15507.	
	224.	Moss, Eric G. et al. (1997) "The Cold Shock Domain Protein LIN-28 Controls Development Timing in C. Elegans and is Regulated by the lin-4 RNA" Cell, Vol. 88: 637-646.	
	225.	Nielsen, Paul et al. (1997) "A Novel Class of Conformationally Restricted Oligonucleotide Analogues: Synthesis of 2',3'-Bridged Monomers and RNA-Selective Hybridisation" Chem. Commun., pp 825-826.	
EXAMINER:		DATE CONSIDERED:	
EXAMINER: Initial if citation considered, whether or not the citation conforms with MPEP 609. Draw a line through the citation if not in conformance and not considered. Include a copy of this form with next communication to applicant.			

Form PTO-1449 INFORMATION DISCLOSURE CITATION IN AN APPLICATION <i>(Use several sheets if necessary)</i>		Docket Number 546322000303	Application Number 10/646,070
		Applicants <p style="text-align: center;">Michael Wayne GRAHAM et al.</p>	
		Filing Date August 22, 2003	Group Art Unit 1632
		Mailing Date July 27, 2004	
	226.	Nikiforov, Theo T. and Connolly, Bernard A. (1992) "Oligodeoxynucleotides Containing 4-thiothymidine and 6-thiodeoxyguanosine as affinity labels for the Eco RV Restriction Endonuclease and Modification Methylase" <i>Nucleic Acids Research</i> , Vol. 20, No. 6: 1209-1214.	
	227.	Doench, John G. et al. (2003) "siRNA Can Function as miRNAs" <i>Genes and Development</i> 17:438-442.	
	228.	Sinha, Nanda D. (1997). "Large-Scale Synthesis: Approaches to Large-Scale Synthesis of Oligodeoxynucleotides and their Analog" <i>Antisense From Technology to Therapy Lab Manual and Textbook</i> , Vol. 6: pp 30-58.	
	229.	Skripkin, Eugene et al. (1996) "Psoralen Crosslinking Between Human Immunodeficiency Virus Type 1 RNA and Primer tRNA ₃ ^{Lys} " <i>Nucleic Acids Research</i> , Vol. 24, No. 3: 509-514.	
	230.	Ngo, Huan et al. (1998) "Double-Stranded RNA Induces mRNA Degradation in Trypanosoma Brucei" <i>Proc. Natl. Acad. Sci.</i> Vol. 95: 14687-14692.	
	231.	Paddison, Patrick J. et al. (2002) "Short Hairpin RNAs (shRNAs) Induce Sequence-Specific Silencing in Mammalian Cells" <i>Genes and Development</i> 16: 948-958.	
	232.	Pegram, Mark D. et al (1998) "Phase II study of Receptor-Enhanced Chemosensitivity Using Recombinant Humanized Anti-p185 ^{HER2/neu} Monoclonal Antibody Plus Cisplatin in Patients With HER2/Neu-Overexpressing Metastatic Breast Cancer Refractory to Chemotherapy Treatment" <i>Journal of Clinical Oncology</i> , Vol. 16, No. 8: 2659-2671.	
	233.	Braich, Ravinderjit and Damha, Masad J. (1997) "Regiospecific Solid-Phase Synthesis of Branched Oligonucleotides. Effect of Vicinal 2',5'- (or 2',3'-) and 3',5'-Phosphodiester Linkages on the Formation of Hairpin DNA" <i>Bioconjugate Chem</i> , 8: 370-377.	
	234.	Regalado, A. (2002, August). "Turning Off Genes Sheds New Light On How They Work" <i>The Wall Street Journal</i> , 4 pages.	
	235.	Sharp, Phillip (1999) "RNAi and Double-Stranded RNA" <i>Genes and Development</i> 13(2): 139-141.	
	236.	Shi, Yang and Mello, Craig (1998) "A CBP/p300 Homolog Specifies Multiple Differentiation Pathways in Caenorhabditis Elegans" <i>Genes and Development</i> (12)7: 943.	
	237.	Timmons, Lisa and Fire, Andrew (1998) "Specific Interference by Ingested dsRNA" <i>Nature</i> , Vol. 395: 854	
	238.	Uhlmann, Eugen and Peyman, Anusch (1990) "Antisense Oligonucleotides: A New Therapeutic Principle" <i>Chemical Reviews</i> , Vol. 9, No. 4: 544-584.	
	239.	Wess, Ludger and Haan, Keith (2003) "Early Days for RNAi" <i>BioCentury</i> , Vol. 11, No. 12: A1-23.	
	240.	Schwartz, Dianne S. et al. (2002) "Evidence that siRNAs Function as Guides, Not Primers in the Drosophila and Human RNAi Pathways" <i>Molecular Cell</i> , Vol. 10: 537-548.	
	241.	Yamamoto, Rika et al. (1997) "Inhibition of Transcription by the TAR RNA of HIV-1 in a Nuclear Extract of HeLa Cells" <i>Nucleic Acids Research</i> , Vol. 25, No. 17: 3445-3450	
	242.	Kowolik, Claudia M. and Jee, Jiing-Kuan (2002) "Preferential Transduction of Human Hepatocytes with Lentiviral Vectors Pseudotyped By Sendai Virus F Protein" <i>Molecular Therapy</i> , Vol. 5, No. 6: 762-769	
	243.	Yam, Priscilla Y. et al. (2002) "Design of HIV Vectors for Efficient Gene Delivery into Human Hematopoietic Cells" <i>Molecular Therapy</i> , Vol. 5, No. 4: 479-484	
	244.	Peng, Hairong et al. (2001) "Development of an MFG-Based Retroviral Vector System for Secretion of High Levels of Functionally Active Human BMP4" <i>Molecular Therapy</i> , Vol. 4, No. 2: 95-104	
EXAMINER:		DATE CONSIDERED:	
EXAMINER: Initial if citation considered, whether or not the citation conforms with MPEP 609. Draw a line through the citation if not in conformance and not considered. Include a copy of this form with next communication to applicant.			

Form PTO-1449 INFORMATION DISCLOSURE CITATION IN AN APPLICATION <i>(Use several sheets if necessary)</i>		Docket Number 546322000303	Application Number 10/646,070
		Applicants <div style="text-align: center;">Michael Wayne GRAHAM et al.</div>	
		Filing Date August 22, 2003	Group Art Unit 1632
		Mailing Date July 27, 2004	
	245.	Yee, Jiing-Kuan and Zaia, John A. (2001) "Prospects for Gene Therapy Using HIV-Based Vectors" <i>Somatic Cell and Molecular Genetics</i> , Vol. 26, Nos. 1/6: 159-173	
	246.	Kowolik, Claudia M. et al. (2001) "Locus Control Region of the Human CD2 Gene in a Lentivirus Vector Confers Position-Independent Transgene Expression" <i>Journal of Virology</i> , Vol. 75, No. 10: 4641-4648	
	247.	Schmidt, Frank R. (2004) "RNA Interference Detected 20 years ago" <i>Nat. Biotechnol.</i> 22: 267-268	
	248.	Schmidt, F. R. et al. (1983) "Cycloheximide Induction of Aflatoxin Synthesis in a Nontoxigenic Strain of <i>Aspergillus Flavus</i> " <i>Bio/Technology</i> 1: 794-795	
	249.	Schmidt, Frank R. et al. (1986) "Viral Influences on Aflatoxin Formation by <i>Aspergillus Flavus</i> " <i>Appl Microbiol. Biotechnol.</i> 24: 248-252.	
	250.	Hannon, Gregory J. (2002) "RNA Interference" <i>Nature</i> , Vol. 418: 244-251	
	251.	Goff, Deborah J. et al. (1997) "Analysis of Hoxd-13 and Hoxd-11 Misexpression in Chick Limb Buds Reveals that Hox Genes Affect Both Bone Condensation and Growth" <i>Development</i> 124: 627-636	
	252.	Boldin, Mark P. et al. (1996) "Involvement of MACH, a Novel MORT1/FADD-Interacting Protease, in Fas/APO-1- and TNF Receptor-Induced Cell Death" <i>Cell</i> 85: 803-815.	
	253.	Giordano, E. et al. (2000) "RNAi Triggered By Symmetrically Transcribed Transgenes in <i>Drosophila Melanogaster</i> " <i>Genetics</i> , 160:637-648	
	254.	Kennerdell, J. R. et al. (2000) "Heritage Gene Silencing in <i>Drosophila</i> Using Double-Stranded RNA" <i>Nature Biotechnology</i> , 18:896-898.	
	255.	Carthew, Richard W. (2001) "Gene Silencing By Double-Stranded RNA" <i>Curr. Op. Cell. Biol.</i> 13: 244-248	
	256.	Flavell, R. B. (1994) "Inactivation of Gene Expression in Plants as a Consequence of Specific Sequence Duplication" <i>Proc. Natl. Acad. Sci.</i> 99:3490-3496.	
	257.	Jorgensen, Richard A. et al. (1999) "Do Unintended Antisense Transcripts Contribute To Sense Cosuppression in Plants" <i>TIG</i> 15:11-12.	
	258.	Klink, Vincent P. et al. (2000) The Efficacy of RNAi in the Study of the Plant Cytoskeleton" <i>J. Plant Growth Reg.</i> 19: 371-384.	
	259.	Liszewicz, Julianna et al. (1991) "Tat-Regulated Production of Multimerized TAR RNA Inhibits HIV-1 Gene Expression" <i>New Biologist</i> 3:82-89.	
	260.	Metzlaffm, M. et al. (1997) "RNA-Mediated RNA Degradation and Chalcone Synthase A Silencing in <i>Petunia</i> " <i>Cell</i> 88:845-854.	
	261.	Plasterk, Ronald HA. et al. (2000) "The Silence of the Genes" <i>Curr. Op. Gen. Dev.</i> 10:562-567.	
	262.	Que, Qiudeng et al. (1997) "The Frequency and Degree of Cosuppression by Sense Chalcone Synthase Transgenes Are Dependent on Transgene Promoter Strength and Are Reduced by Premature Nonsense Codons in the Transgene Coding Sequence" <i>Plant Cell</i> 9: 1357-1368.	
	263.	Sarver, Nava et al. (1990) "Ribozymes as Potential Anti-HIV-1 Therapeutics Agents" <i>Science</i> 247:1222-1225.	
	264.	Schaller, Hubert (2003) "The Role of Sterols in Plant Growth and Development" <i>Prog. Lipid Res.</i> 42:163-175.	
	265.	Steinecke, Peter et al. (1992) "Expression of a Chimeric Ribozyme Gene Results in Endonucleolytic Cleavage of Target mRNA and a Concomitant Reduction of Gene Expression in vivo" <i>Nucleic Acids Res.</i> 23:2259-2268.	
EXAMINER:		DATE CONSIDERED:	
EXAMINER: Initial if citation considered, whether or not the citation conforms with MPEP 609. Draw a line through the citation if not in conformance and not considered. Include a copy of this form with next communication to applicant.			

[illegible]